

Celebrate
Earth Day
April 22!

THE ECHO

TAYLOR UNIVERSITY STUDENT NEWS

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Friday, April 20, 2001

Upland, Indiana

Students develop satellite for third-world countries

Using new technology, team hopes to ensure missionary safety and more effective communication

By KAREN PENNER

NEWS EDITOR

Last night a group of Taylor University students presented a forum explaining a new satellite project being designed and built.

According to the team, TU SAT 1, the primary goal of the project is to provide communication for missionaries and third-world countries. Due to the high cost of commercial satellite systems, few are made available for third-world populations. Such communication would provide missionaries with safety, help them recruit, give them access to doctors, linguists, educations, multicultural experts, technical specialists, churches, friends and family.

This project is expected to lead the new wireless communication technology for space development. Current commercial space systems have data rates that are slower and more expensive. Taylor plans to improve the problem, using miniaturization components and cutting edge space-age microelectronic.

Miniaturization is the process

of fitting an electronic circuit in an increasingly small area using new technology.

Microelectronics are the resulting circuits created by the process of miniturization.

Another goal of the group is to collaborate and create a plasma probe so that new multi-point measurements can be made to reduce measurement space-time ambiguity. Taylor recently built several such probes for NASA.

Constellation satellite science and global scientific environmental data recording will also be demonstrated.

This project also has the potential to give Taylor, funding groups and students increased visibility at an international level. The TU SAT 1 team believes that this project will attract more top students and build academic stature. If the project succeeds, Taylor will be the first undergraduate university to build a fully functional satellite.

The project began in October and is scheduled to be completed by July 30. At this time the

equipment will be taken to Stanford University, where it will be inserted into a Russian rocket along with 20 other Pico satellites.

Jeremy Schea, the CPU/ Microcontroller team leader, explained that a Pico satellite is "extremely small and uses microelectronics."

The rocket containing the satellite will then be launched from Russia in November.

After the launching, the satellite will orbit 650 kilometers above the earth. It will take approximately 97 minutes to complete a single orbit around the planet.

Dave Prentice, the project manager, expressed his gratitude and praise to the students who worked on the satellite.

"I am extremely impressed by the caliber of students working on this project... they put in long hours with little sleep," Prentice said.

Jacob Oehrig, the student leader for the project, added that the team has become a "big,

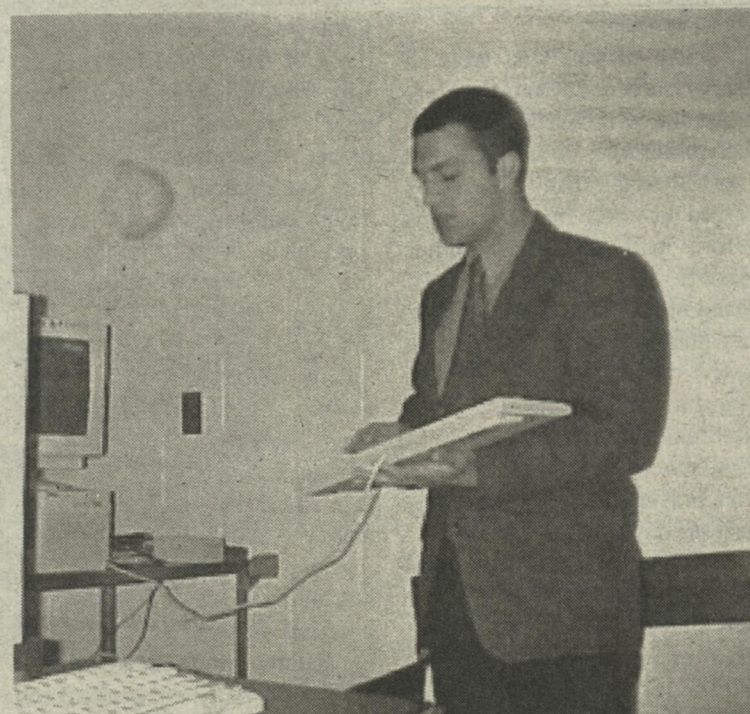


Photo by Bryan Smith

JEREMY SCHEA, a member of the TU SAT 1 team, shows the features of the ground station email system. This system allows missionaries to upload and download email.

huge family."

Most of the students who are working on the development of the satellite are receiving no class credit.

"They are volunteering their time to develop an email satellite for missionaries because their drastic need for reliable communication," Schea said.

Working together for the Earth

SARAH HINKLE
MANAGING EDITOR

Twenty-one years ago, 20 million demonstrators along with thousands of schools and local communities banded together to protest the alarmingly rapid degradation of the environment. April 22, 1970-the first national celebration of Earth Day-became the landmark date that thrust environmental awareness and activism into the political forefront.

Earth Day is a "rallying time, a time for activism," said Michael Guebert, associate professor of environmental science. Citing Genesis 2:15, "The LORD God took the man and put him in the Garden of Eden to work it and take care of it," Guebert explained that environmental activism for the Christian is "a response to what God has given us ... how we are stewards of the resources we have."

Taylor's environmentally-concerned students make it a year-round goal to be actively involved in caring for our im-

mediate environment. Taylor Stewards of Creation have adopted a highway in the area that they clean a number of times a year.

A number of other Taylor students and faculty will be participating in events this weekend to support the mission of Earth Day. Taylor student Debbie Veen is giving a presentation about poison prevention to elementary students on Saturday at the Indiana Youth Environmental Summit, and Edwin Squiers, professor of biology and environmental science, will also be teaching elementary students about environmental care. Emily Sjostrom, the environmental science conservation coordinator, is also heading up some Earth Day activities in correlation with Youth Conference. Both students and conference attendees will be meeting outside the chapel at 3:30 on Saturday to participate in area clean-up efforts.

"What you do as an individual won't make a difference," Guebert said, "but what we all do together can make a difference."

GETTING READY FOR YOUTH CONFERENCE



Photo by Bryan Smith

DISCUSSION GROUP LEADERS Andy Wilkins and Deborah Moody work diligently on their sign for Youth Conference Thursday night. Hundreds of high schoolers across the nation will attend this year's conference, the theme of which is "The Quest for Truth."

Opinion

"Revival cannot be organized, but we can set our sails to catch the wind from Heaven when God chooses to blow upon his people once again."

-G. Campbell Morgan

Campus should be open to revival

LETTER TO THE EDITOR

BY JOEL NEWTON

Many of you who were in chapel last Monday saw the Holy Spirit move in our midst in an incredible way. You might not know that the Holy Spirit has moved like this on our campus before and on many other schools like ours. The most recent move of the Holy Spirit in this public kind of way was in April 1995. Ironically, it also began the same weekend of the National Student Leadership Conference. The public confession, prayer and worship went on for four days.

Revivals like this have happened throughout history and have played an important part in redemptive history. In 2 Chronicles 7:13-14, the Lord outlines what revival is. "When I shut up the heavens so that there is no rain, or command locusts to devour the land or send a plague among my people, if my people who are called by my name, will humble themselves and pray and seek my face and turn from their wicked ways, then will I hear from heaven and will forgive their land." For the past few years, some faculty and students

have realized that there is lack of thirst for spiritual things among those of the Taylor community. Like the Lord states above, these people humbled themselves in prayer for a renewed thirst after the Lord among those of the Taylor campus. What is happening now is that the Lord is hearing their prayers and moving among us in a mighty way. Students are confessing their sins to one another, turning from their sin, and God is bringing healing and freedom to their lives.

Over the past two weeks there has been a lot of discussion about the meetings on the hill at six p.m. every night and about chapel last Monday. Many of us are trying to assess what is going on and discern what is of God. This is essential as Scripture tells us to test everything that we come in contact with (1Thess. 5:21). Even the Berean church in Acts 17:11 was praised because it tested Paul's teachings to see if they

were true. We must also keep in mind, though, Paul's warning in 1 Thessalonians 5:20 to not put out the Spirit's fire. We must not discourage those who are using their gifts and expressing their love for the Lord just because we aren't comfortable with it. It is important to keep an open mind and not put God in a box.

For those of you who are not praying in the field at six p.m. on a regular basis, you are no less of a believer than the ones who are out there. It is not a special, elite group who is praying at six p.m. God doesn't care if you are praying at six p.m. in the field or if you are praying at three a.m. in your own room. All he cares is if you are coming to him in prayer each day. For those of you, who are apprehensive and still testing everything, I would challenge you to venture out to the field and see for yourself what is going on. It might be for you, and it might not be. For those of you who are

apprehensive about everything because you are still hiding sin deep in your heart, I challenge you to confess it. Not everyone needs to confess sin in front of a whole chapel, but we all need to confess our sin to someone. Confess your sin to God and those to whom you are closest. These people to whom you confess your sin need to keep you accountable.

The Holy Spirit has moved on our campus and continues to move among us. God is bringing us back into a renewed relationship with him where there is freedom and power. We can continue to experience life down in the lowlands of selfishness and pride, but God has so much more for us up in the mountains of freedom and grace. God doesn't promise that if we give up ourselves and follow him that life will be easy and that we will have an emotional high everyday. He promises that he will be with us and that we can have freedom from the bondage of sin. Take that tough step and commit to follow Christ no matter what and God will give you the ride of your life.

"...commit to follow Christ, no matter what, and God will give you the ride of your life."

Integrity essential to our generation

BY BEN REED
ECHO COLUMNIST



This column was originally supposed to run in the April Fool's issue of the Echo. What April Fool's issue? It's a long story, but the column has survived to see the light of day in this issue. I suppose I should mention that for April Fool's day, the powers that be here at the Echo wanted me to do something completely different. They wanted me to be serious.

I know the idea sounds stupid, but I appreciate the opportunity to show a different side to my few loyal readers. I know most of you think that I am nothing more than a trained monkey whose sole purpose in life is to make fun of the establishment. While this is generally true, I do

have a serious, contemplative side. With that in mind I present a column with ideas and thoughts that I have actually been struggling with and thinking about. Please don't look for any sarcastic meanings behind my words, because there are none.

What is integrity? You hear the word tossed around in Christian circles like it's the only word we know. I have heard the word a lot. Ironically, no one has ever taken the time to define it for me. Webster, whose opinion on definitions we seem to take as law, defines integrity as "firm adherence to a code of especially moral or artistic values." Someone told me that integrity was trying to be as much like Christ as possible while knowing we will never completely get there. I suppose these are both sufficient definitions for our purposes.

Do I have integrity? Some of you would say no. But frankly, I don't care about those of you who do not "get me." What I do care

about is the opinion of those close to me. My girlfriend says I have integrity, but you could argue that her opinion is biased.

What I really want is for people at my funeral - my kids, my wife, my family, and my close friends - to say that I have integrity. I want those around me to remember the godly man that I was. I wish I had more examples of this to guide my quest. It seems that my models for integrity are dwindling.

I am not alone in my longing for integrity. When everyone in our country shouted at the top of their lungs that it was perfectly fine for President Clinton to cheat on his wife, what they really wanted was a leader like Billy Graham. They wanted integrity.

Our extremely relativistic, post-modern society may give us a sense of freedom in the immorality it allows, but deep down everyone wants to see and experience integrity. We need something more than the "freedom"

we have invented for ourselves. But wherever anyone looks, models of integrity are falling like trees in the Amazon. Even the church seems to come up short. For every ten Billy Grahams there is a pastor who cheats on his wife.

I want to be different than that. Our world cries out for examples of integrity, especially among the "hopelessly lost MTV generation." In a society where integrity is the exception, not the rule, I want to be that exception. Will I ever get there? I want to believe so.

I am not here to try and build myself up at the expense of the church. I am merely attempting to point out that our world is dying. And as they reach for something, anything to save them, we - you, me, the church, everyone - gives them nothing. We leave them hanging. We talk about integrity, but do we live it? I know I should change. I'll leave the rest up to you.

THE ECHO

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The mission of the Echo is to fairly and without bias represent the views of diverse voices on Taylor University's campus and to be a vehicle of accurate and pertinent information to the student body, faculty and staff. The Echo also aims to be a forum that fosters healthy discussion about relevant issues, acting as a catalyst for change on our campus.

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"One thing I know is that Joan of Arc is not Noah's wife."

-Bill S. Preston, Esquire

Japanese art displayed in Galleria

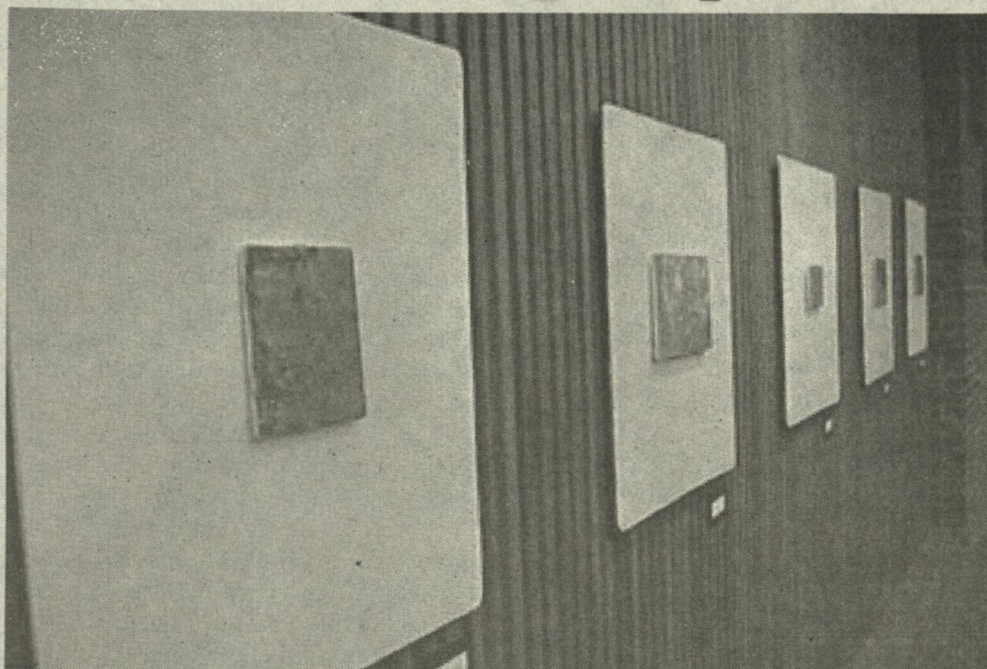
BY TIM WALTER

ARTS & ENTERTAINMENT EDITOR

Japanese and American Christian culture collide to create refreshing new artwork in the Galleria.

Makoto Fujimura, an Asian American artist, has had some pieces of his brand new show on display for Taylor students since April 9. Fujimura attended Bucknell University in Pennsylvania for his undergraduate degree and Tokyo National University of Fine Arts and Music for both his masters of fine arts and his doctorate. In the last decade he has become a well-known and respected artist in both the Christian and secular art communities. Fujimura has been able to do this "because of his transcendental quality and Christian purpose behind his art," said Rachel Smith, chairperson and associate professor of the visual arts at Taylor University.

With his diverse training, Fujimura combines both traditional and contemporary styles. He uses spiritual transcendentalism, which is a part of Japanese



MAKOTO FUJIMURA'S ART, which is a combination of Japanese and contemporary art, will be in the Galleria through the beginning of May.

tradition, along with a visual language. This visual language performs a variety of functions, like incorporating Biblical passages and other texts into the images, and speaks to people on multiple levels in a contemporary visual language. "The inherent reflection

of tradition and innovation in his work provides it with depth and vitality," Smith said. "There is potential richness for those who will take the time to enjoy it."

April 25 and 26, Fujimura will be on campus participating in a variety of different activities. He

will share part of this lecture, Fujimura will also be discussing the International Arts Movement, which he founded to bridge the gap between the church and art, to foster creativity and to be a catalyst for cultural renewal. "IAM focuses on encouraging Christians to be a transforming force in culture and provide forums for encouragement in arts and culture in the secular realm," Smith said. Fujimura's discussions should appeal strongly to anyone interested in missions or international business as well. It is important to recognize "the dimensions of life experiences as a Christian working in many different arenas-not just art, but culture, missions and the Christian calling in the world," Smith said.

In addition to his speaking engagements, Fujimura will demonstrate traditional Japanese painting techniques on Thursday afternoon. Some of Taylor's faculty will be meeting with him to discuss how they can better prepare their students to be a transforming force both during school and after graduation.

Photo by Bryan Smith

Leave TV for a book

BY JULIE COOPER

ASSISTANT ARTS & ENTERTAINMENT EDITOR

Books. They can be friends or foes. They can make us think more deeply than we ever thought possible.

Finding out about the world through the eyes of another forces us to reevaluate our own surroundings. Books teach us, entertain us, and sometimes, reaffirm our experiences. They give us fleeting glimpses of times and places other than our own, and yet we can open them up again and again to restore the same magic.

Some of the following books have been around for years; others are more recent. Some of them I read for class; others I read just for fun. All were enjoyable in some respect and taught me a little bit more about myself. While finding time to read is often difficult, it is one of the most rewarding things to do.

There are many books that challenge Christians to walk with God. Here are two favorites:

* The Ragamuffin Gospel by

Brennan Manning. This book gives a new twist on the familiar story in the New Testament while inspiring readers with its thoughts about God.

* Soul Salsa by Leonard Ira Sweet. Sweet's book is filled with practical suggestions for living the Christian life in the new millenium.

Here are some books that explore life from a different dimension:

* Dangerous Angels: The Weetzie Bat Books by Francesca Lia Block. This book is a compilation of all five stories in the Weetzie Bat Series. The stories follow the fantasy-like adventures of a young woman and her family living in Los Angeles.

* Shampoo Planet by Douglas Coupland. Written by the author of the critically acclaimed, Generation X, this book combines Coupland's on-the-level observations about life with the story of a young man's coming of age.

Non-fiction books are sometimes the hardest to put down, because all of the words in them are true.

* Our America: Life and Death on the South Side of Chicago by Lealan Jones, Llyod Newman, and David Isay. This book was written by two young boys from Chicago throughout different times in their lives as they dealt with murder, drugs and street life.

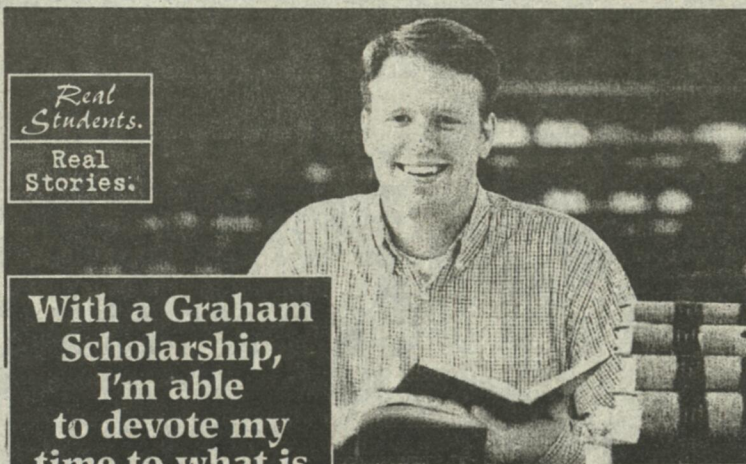
* The Hot Zone by Richard Preston. This is the graphic and gruesome true story of the Ebola virus and its effect on the world.

Classic novels, though they are probably being read in a high school English class right now, are no less meaningful for that fact.

* Cyrano De Bergerac by Edmond Rostand. This is the ultimate tale of unrequited love.

* Great Gatsby by F. Scott Fitzgerald. Okay, so a few people may have read this, the great "agrarian myth" novel that explores class differences amid the jet set in the Roaring Twenties.

* A Tale of Two Cities by Charles Dickens. The opening paragraph is one of the greatest in all of literature.



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Sports

"I'm disappointed, but I'm not going to run around like Dennis Rodman and head-butt somebody."

-Greg Norman, on losing his six-stroke lead in the 1997 Masters

Baseball 'hitting the ball well as a team'

By TAB BAMFORD
STAFF WRITER

The Taylor baseball team has been working on its flexibility the last couple weeks; they've performed the splits in their last seven double-headers.

The team has been playing better than their .500 record over that stretch, though. Last week, Tony Dattilio was named MCC Player of the Week. "We're hitting the ball well as a team. We have a solid lineup, and everyone has been contributing," Dattilio said.

In Thursday's games against conference leader Marian, the team again won one and lost one. In the first game, senior Jeremy Roberts pitched six shutout innings, and the Trojans won by slaughter rule 10-0. The game ended with a home run by junior Kyle Gould in the bottom of the sixth. Senior Ryan Linenger also hit one out for Taylor in the rout. The second game was a close battle that ended with the Trojans on the losing side of a 6-5 score. Senior Ike Welsh started the game and was relieved by sopho-

more Ryan Rupp and Roberts. Roberts led the offense in the two game set, collecting four hits in six plate appearances, including a home run. Senior Scott Blackford, junior Ryan Zeeb, and freshman Cory Neuenschwander also hit the ball well.

The defense sparkled as well as the offense during Thursday's double-header. Blackford robbed a Marian player of a grand slam home run by jumping and reaching over the fence to bring the ball back. Freshman Matt Alspaugh was a vacuum at short-stop.

Earlier this week, the Trojans split double headers against Grace and St. Francis. Junior Dan Rocke and sophomore Sam Jones pitched well, and junior Ivar Isacson got the win in the second game against St. Francis. Junior Tyson Jones, Zeeb, and Linenger led the offense. Blackford said, "We just need to put it together for two [games] in a row. We seem to play one game really well, and the other is always close. We need to finish."

Overall, the team is looking forward to a solid stretch run towards the MCC Tournament. The team's chemistry grew in direct proportion to the darkening of their skin over Spring Break, as the Trojans revved up for a run at a conference title.

During the break, Taylor split their eight games against tough competition. The team lost two close games to Flagler College, before their bats warmed up. The team then won two consecutive games against Webber College and dominated Bethune-Cookman for a 4-2 victory before losing a hard fought battle against regular NAIA power Embry-Riddle 9-8. The win over Bethune-Cookman, an NCAA Division I squad, did a great deal to boost team morale, according to Tyson Jones.

"We really started to put it together in Florida. We are hitting the ball and fielding much better. Beating [Bethune-Cookman] helped our team confidence a great deal," Jones said.

In their first game after returning from Florida, Rocke, who got

the win in the Bethune-Cookman game, threw a one-hit shutout of rival Indiana Wesleyan, and the Trojans began their double-header with a 3-0 victory. Rocke completely dominated the opponents, facing only one hitter more than the minimum possible. Rocke's mastery allowed but one ball to leave the infield as he struck out three and walked none in the complete game effort. Jones and Linenger helped with some sparkling glove-work.

Rocke wasn't the only Trojan rolling after the break. The team also took the second game 5-2, as he took his turn in the spotlight. Not only did Roberts earn the win by giving up only six hits and striking out three, but he also provided the game-winning hit, a bases-loaded double in the fifth inning.

In action on April 5, the Trojan bats continued to sizzle in the first game of a split double-header against Goshen. In the first game, Welsh earned the victory with Taylor tallying 10 runs to Goshen's one. However, the team fell behind early and could never

quite fight back in the second match, losing 11-6. Rupp and Isacson pitched well in relief in the second game. A collection of long balls highlighted the offense. Tyson Jones took two offerings out of the park en route to a six-for-eight day at the plate. Dattilio also connected for a long ball as part of his five-for-seven performance. Zeeb's bat escorted two balls from the park.

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Golf looks to get back on track

By MATT BRANDENBERGER
SPORTS EDITOR

After a positive season of play in the fall, expectations were high going into the spring season for the men's golf team. So far, things have not turned out like they would have hoped. In their four conference tournaments, the Trojans have finished no better than second and stand in fourth position behind Marian, Indiana Wesleyan and Bethel.

Sophomore Austin Bowman and junior John Fall led Taylor, each shooting an average of 78.5. Fall is one of the bright spots on the team this year leading the Trojans in both the Taylor and Huntington Invitationals' shooting rounds of 75 and 74 respec-

tively. He said, "I'm somewhat happy with the way I'm playing this year but I definitely think there is room for improvement. I just want to do my part to help the team."

Taylor's worst outing of the year came last week at the Bethel Invitational on an extremely windy day. "I have never played in anything like it," said freshman Joe Zimmerman. Only three players in the entire field managed to break 80, and freshman Kellen Moore was medalist for Taylor with an 82.

The good news is that, while there is room for improvement there is also plenty of time for it. With three freshman on the team, the shaky start could be blamed

on youth. This is a very talented group of golfers, and if they put it together, they could be capable of doing something special. "All that really matters is Regionals, because that decides who goes on to Nationals," said Zimmerman. There is no doubting this team has the talent to do it, but the question still remains if they can get enough experience under their belts to make a run at it.

The men now stand at the midway point of their season with four Tournaments left before Regionals. Today they travel north to compete in the Goshen College Invitational and will follow with the Indiana Wesleyan Invitational on Saturday.

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